

The present listing of claims replaces all prior versions and listings of claims in the subject patent application.

Listing of Claims:

1(currently amended): An actuator having at least one side having larger dimensions than other dimensions thereof and consisting of a conjugated polymeric material, whereby said material expands when an electrical voltage is applied between two locations thereof and contracts when the electrical voltage is reduced, neither of the two locations being coextensive with the at least one side having larger dimensions of said actuator.

2(currently amended): The actuator as described in claim 1, wherein said conjugated polymeric material comprises doped polyaniline.

3(currently amended): A method of actuation comprising the step of directly electrically stimulating a conjugated polymeric material having at least one side having larger dimensions than other dimensions thereof at two locations thereof, neither of the two locations being coextensive with the at least one side having larger dimensions.

4(previously presented): The method of actuation as described in claim 3, wherein said conjugated polymeric material comprises doped polyaniline.